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		Application No.	Applicant(s)	A
Λ. <i>l</i>		10/705,998	MA ET AL.	
W	Notice of Allowability	Examiner	Art Unit	
\		Sherry L Estremsky	3681	
All claims be herewith (or NOTICE OF	The MAILING DATE of this communication eing allowable, PROSECUTION ON THE MER previously mailed), a Notice of Allowance (PT ALLOWABILITY IS NOT A GRANT OF PAT e or upon petition by the applicant. See 37 CFI	ITS IS (OR REMAINS) CLOSED in OL-85) or other appropriate commune ENT RIGHTS. This application is su	this application. If not includ nication will be mailed in due	led course. THIS
1. 🛛 This	communication is responsive to the application	filed November 12, 2003.		
2. 🔀 The	allowed claim(s) is/are <u>1-14</u> .			•
3. 🔀 The	drawings filed on <u>12 November 2003</u> are accep	oted by the Examiner.		
* Cer Applicant noted belo	owledgment is made of a claim for foreign properties. All b) □ Some* c) □ None of the: 1. □ Certified copies of the priority documents. 2. □ Certified copies of the priority documents. 3. □ Copies of the certified copies of the priority documents. International Bureau (PCT Rule 17.2(a)). International Bureau (PCT Rule 17.2(a)).	ts have been received. Its have been received in Application Ority documents have been received O). DATE" of this communication to file	No in this national stage applica	•
	BSTITUTE OATH OR DECLARATION must b RMAL PATENT APPLICATION (PTO-152) wh			NOTICE OF
6. CORI	RECTED DRAWINGS (as "replacement sheet	s") must be submitted.		
(a) 🔲 i	ncluding changes required by the Notice of Dra	aftsperson's Patent Drawing Review	(PTO-948) attached	
	1) hereto or 2) to Paper No./Mail Date			
	ncluding changes required by the attached Exa Paper No./Mail Date	aminer's Amendment / Comment or	n the Office action of	
	ng indicia such as the application number (see 3 eet. Replacement sheet(s) should be labeled as s			e back) of
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Attachmen 1. \(\sum \) Notice	t(s) of References Cited (PTO-892)	5. ☐ Notice of Info	ormal Patent Application (PT	O-152)

U.S. Patent and Tradema	ark Office
PTOL-37 (Rev. 1-0	14)

of Biological Material

2. Notice of Draftperson's Patent Drawing Review (PTO-948)

4.

Examiner's Comment Regarding Requirement for Deposit

Paper No./Mail Date 1-12-04

3. A Information Disclosure Statements (PTO-1449 or PTO/SB/08),

6. Interview Summary (PTO-413), Paper No./Mail Date _____.

9. Other ____.

7. X Examiner's Amendment/Comment

8.

Examiner's Statement of Reasons for Allowance

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

To improve the form of the abstract and to correct an obvious typographical error, the application has been amended as follows:

in the abstract, lines 1-2, "is disclosed, which" was deleted; in claim 1, line 10, "shaft" was changed to --shafts--.

2. The following is an examiner's statement of reasons for allowance:

No reference nor combination of references was found which teaches a transmission mechanism of an automotive vehicle with a differential mechanism including left and right side bevel gears, a gear and a dual tandem gear mounted on a shaft passing through the differential mechanism, and two rear wheel output shafts, wherein a gear is mounted on each of the rear wheel output shafts, the gears being engaged with the left and right side bevel gears, and two front wheel output shafts are removably connected with the two rear wheel output shafts.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent 1,480,856 (Enochs) January 1924 - discloses a caseless differential with one bevel

side gear meshing with a gear on a rear wheel output shaft and another bevel side gear meshing

with a gear on a second rear wheel output shaft which is parallel to the first. A shaft passing

through the differential includes a dual tandem gear and an additional gear.

U. S. Patent 1,742,744 (Wyman) January 1930 - discloses a caseless differential with one bevel

side gear meshing with a gear on a rear wheel output shaft and another bevel side gear meshing

with a gear on a second rear wheel output shaft.

U. S. Patent 2,242,605 (Casner) May 1941 - discloses a caseless differential with one bevel side

gear meshing with a gear on a rear wheel output shaft and another bevel side gear meshing with a

gear on a second rear wheel output shaft.

U. S. Patent 2,537,060 (Keese) January 1951 - discloses a caseless differential with one bevel

side gear meshing with a gear on a rear wheel output shaft and another bevel side gear meshing

with a gear on a second rear wheel output shaft. The shaft that provides input to (but does not

pass through) the differential includes dual tandem gears with which sliding gears selectively

mesh.

U. S. Patent 2,674,892 (Keese et al.) April 1954 - discloses a caseless differential with one bevel

side gear meshing with a gear on a rear wheel output shaft and another bevel side gear meshing

with a gear on a second rear wheel output shaft. The shaft that provides input to (but does not

pass through) the differential includes dual tandem gears with which sliding gears selectively

mesh.

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U. S. Patent 4,299,140 (Kako et al.) November 1981 - discloses a four-wheel drive transfer case

with a caseless differential having a shaft supplying input that passes through the differential.

U. S. Patent 6,843,748 (Ma et al.) January 2005 - discloses a transmission and differential for a

four-wheel drive vehicle. Various gears are mounted on shafts passing into the differential,

including a dual tandem gear. A sliding gear on a propeller shaft includes an inner gear and an

outer gear.

4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Sherry L Estremsky whose telephone number is (703) 308-2164.

The examiner can normally be reached on Tuesday and Friday from 7:30 a.m. to 6:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Charles Marmor can be reached on (703) 308-0830. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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SHERBY ESTREMSKY

AU3681 2-25-05